

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032625\
 Data File : BN036725.D
 Acq On : 26 Mar 2025 11:47
 Operator : RC/JU
 Sample : Q1546-04
 Misc : MDL-SOIL-QT1-2025
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2025-02

Quant Time: Mar 26 12:24:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN032425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 24 17:31:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

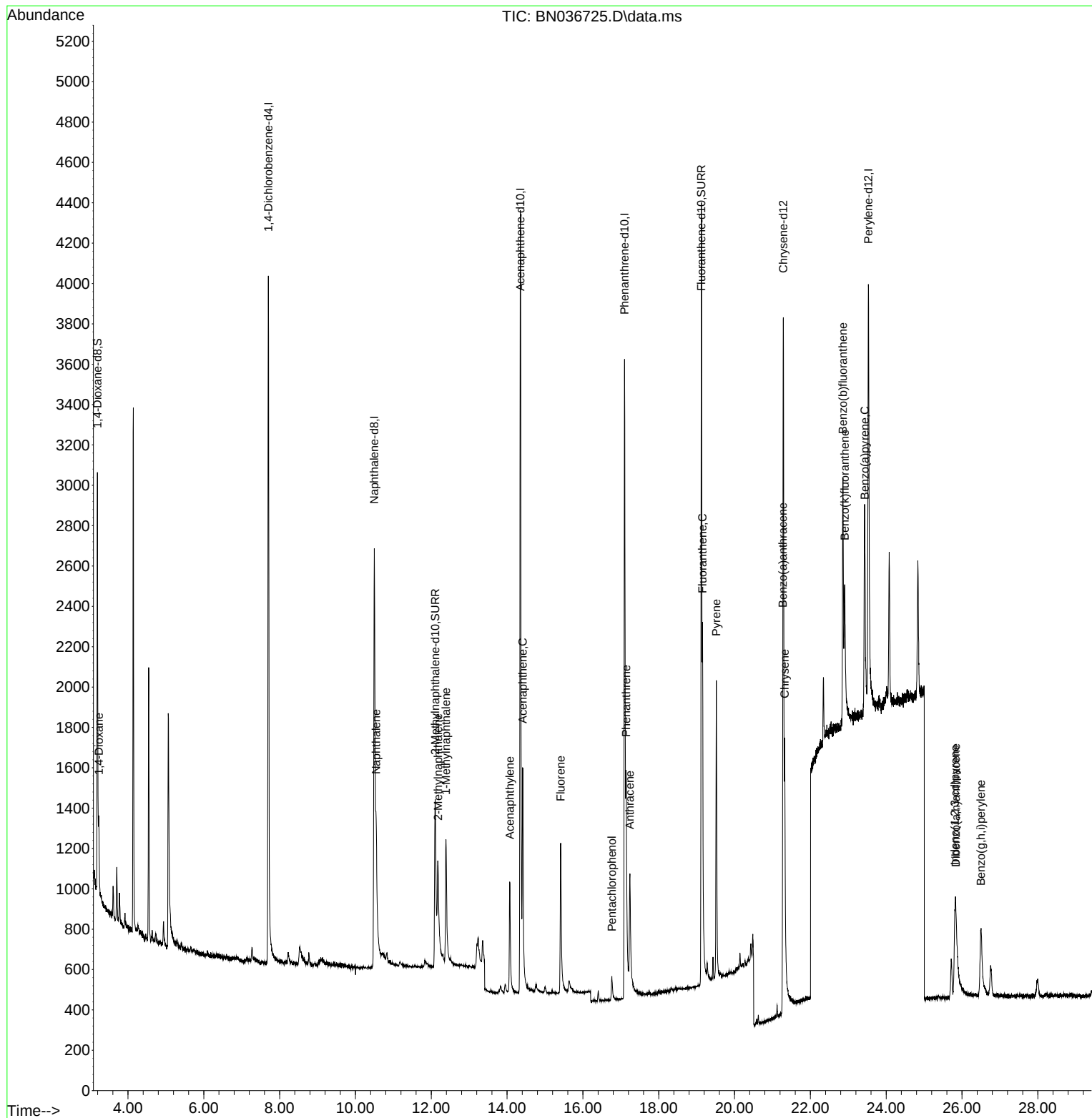
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.703	152	1999	0.400	ng/ul	0.00
4) Naphthalene-d8	10.496	136	4245	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.350	164	2688	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.100	188	5230	0.400	ng/ul	0.00
17) Chrysene-d12	21.287	240	3949	0.400	ng/ul	0.00
23) Perylene-d12	23.532	264	3569	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	1116	0.464	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.102	152	1800	0.302	ng/ul	0.01
18) Fluoranthene-d10	19.124	212	4951	0.382	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.231	88	216	0.082	ng/ul#	76
5) Naphthalene	10.546	128	873	0.068	ng/ul#	75
7) 2-Methylnaphthalene	12.179	142	509	0.064	ng/ul	98
8) 1-Methylnaphthalene	12.388	142	582	0.067	ng/ul	99
10) Acenaphthylene	14.072	152	877	0.067	ng/ul#	83
11) Acenaphthene	14.410	153	722	0.069	ng/ul	97
12) Fluorene	15.409	166	713	0.061	ng/ul#	96
14) Pentachlorophenol	16.762	266	118	0.068	ng/ul	98
15) Phenanthrene	17.142	178	1188	0.066	ng/ul#	83
16) Anthracene	17.240	178	870	0.057	ng/ul#	78
19) Fluoranthene	19.157	202	1426	0.078	ng/ul#	88
20) Pyrene	19.519	202	1507	0.079	ng/ul#	89
21) Benzo(a)anthracene	21.273	228	999	0.067	ng/ul#	87
22) Chrysene	21.322	228	1339	0.078	ng/ul#	91
24) Benzo(b)fluoranthene	22.859	252	1102	0.078	ng/ul#	6
25) Benzo(k)fluoranthene	22.906	252	1285	0.081	ng/ul#	45
26) Benzo(a)pyrene	23.438	252	1053	0.081	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.810	276	1064	0.073	ng/ul#	46
28) Dibenzo(a,h)anthracene	25.840	278	774	0.070	ng/ul#	28
29) Benzo(g,h,i)perylene	26.498	276	929	0.077	ng/ul#	75

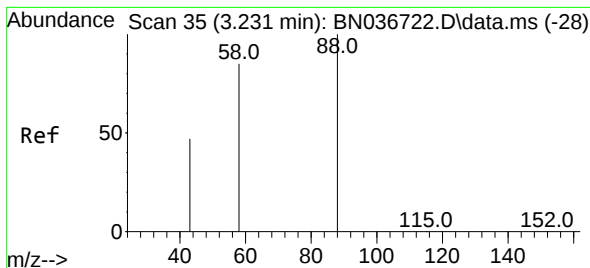
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.082 ng/ul

RT: 3.231 min Scan# 35

Delta R.T. 0.000 min

Lab File: BN036725.D

Acq: 26 Mar 2025 11:47

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2025-02

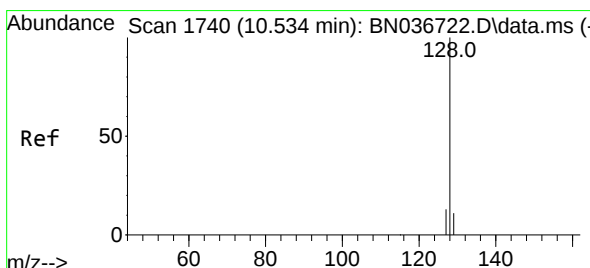
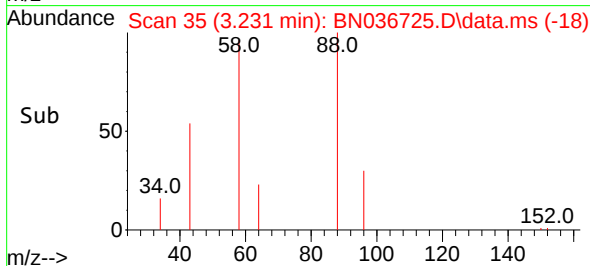
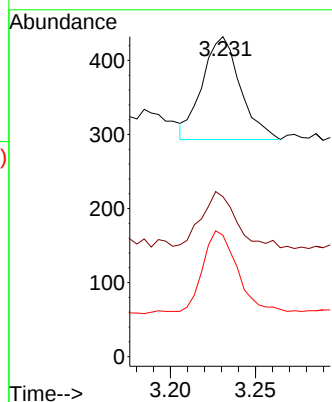
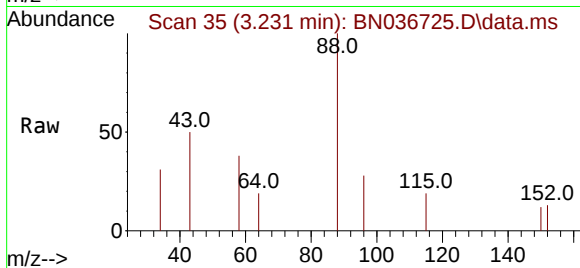
Tgt Ion: 88 Resp: 216

Ion Ratio Lower Upper

88 100

43 50.0 39.4 59.0

58 38.0 56.9 85.3#



#5

Naphthalene

Concen: 0.068 ng/ul

RT: 10.546 min Scan# 1742

Delta R.T. 0.001 min

Lab File: BN036725.D

Acq: 26 Mar 2025 11:47

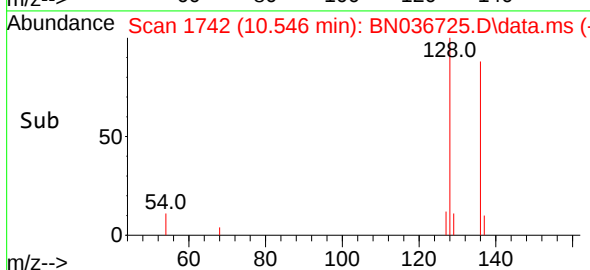
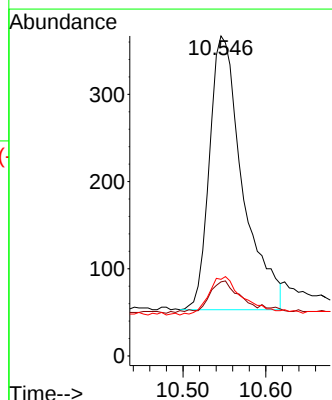
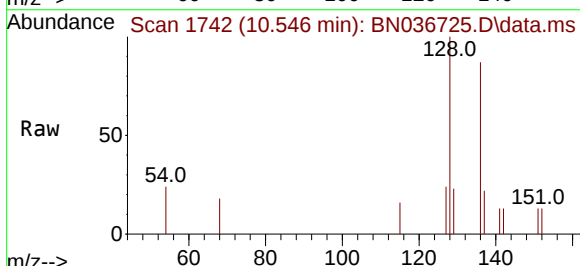
Tgt Ion: 128 Resp: 873

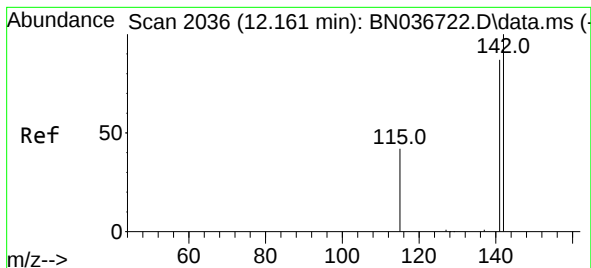
Ion Ratio Lower Upper

128 100

129 23.2 9.8 14.6#

127 24.0 11.8 17.8#

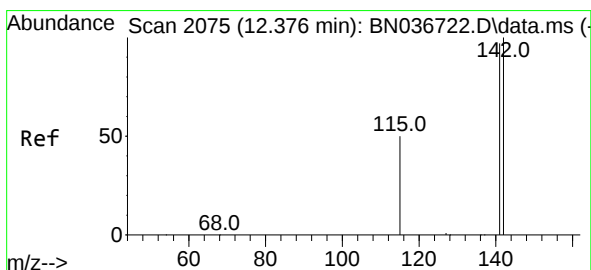
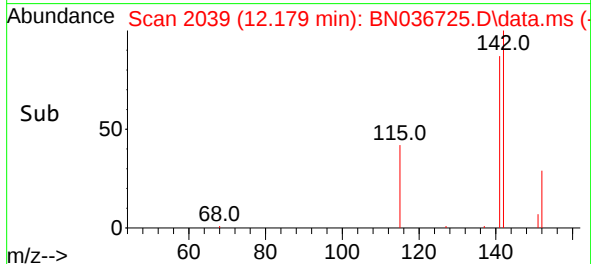
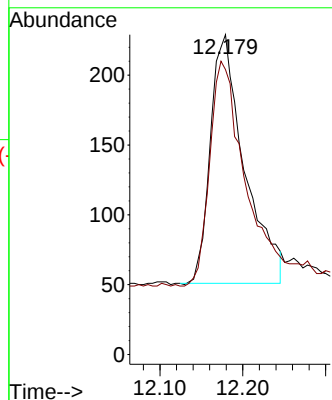
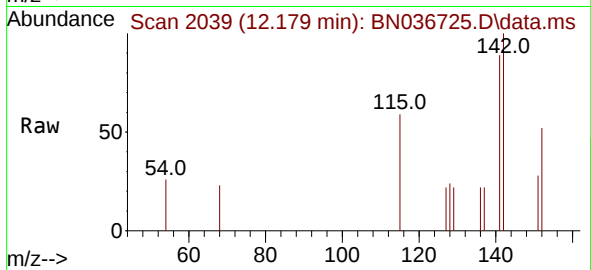




#7
2-Methylnaphthalene
Concen: 0.064 ng/ul
RT: 12.179 min Scan# 2036
Delta R.T. 0.012 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

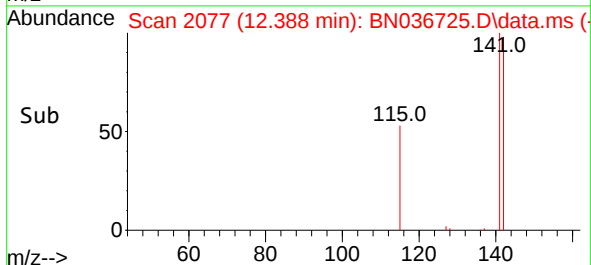
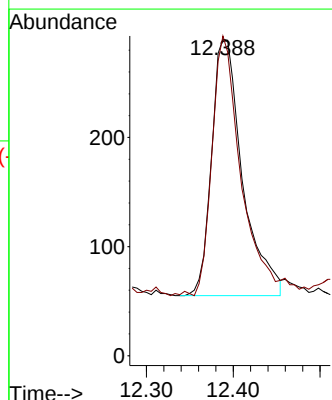
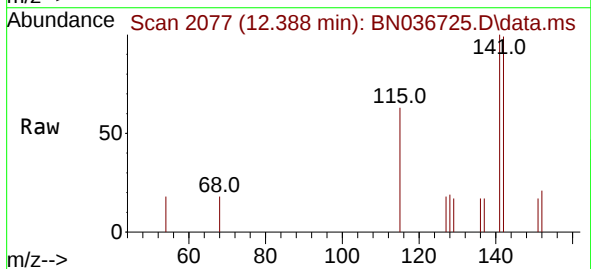
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2025-02

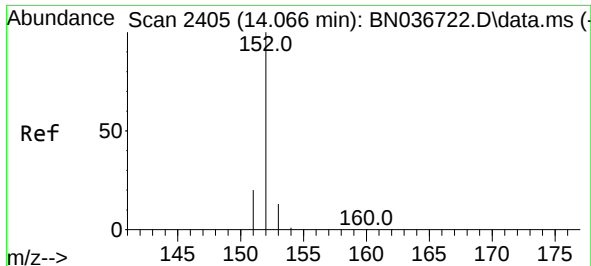
Tgt Ion:142 Resp: 509
Ion Ratio Lower Upper
142 100
141 93.7 73.2 109.8



#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.388 min Scan# 2077
Delta R.T. 0.007 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

Tgt Ion:142 Resp: 582
Ion Ratio Lower Upper
142 100
141 94.7 75.3 112.9

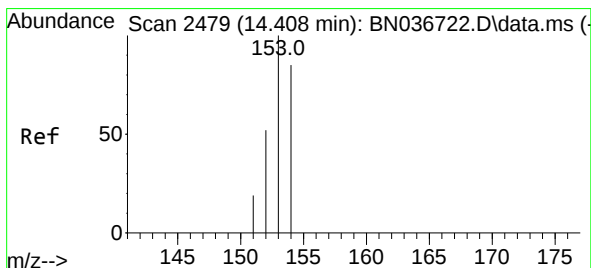
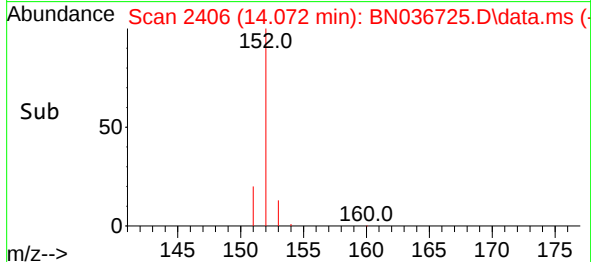
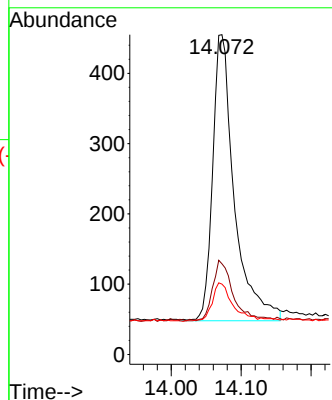
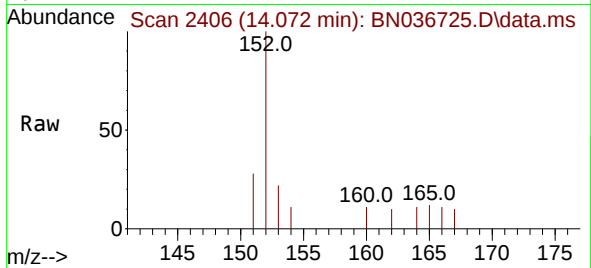




#10
Acenaphthylene
Concen: 0.067 ng/ul
RT: 14.072 min Scan# 2406
Delta R.T. 0.002 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

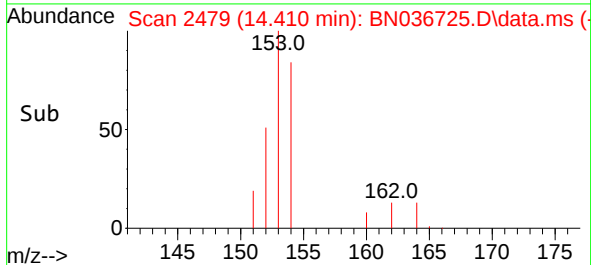
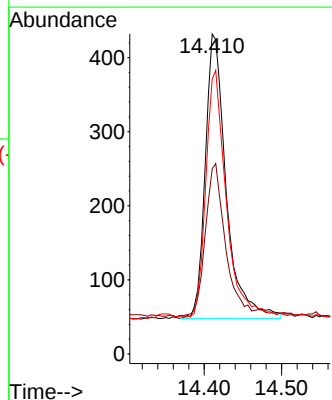
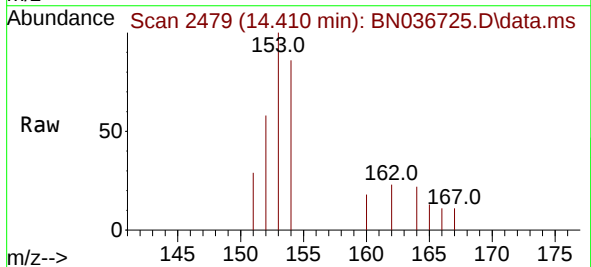
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2025-02

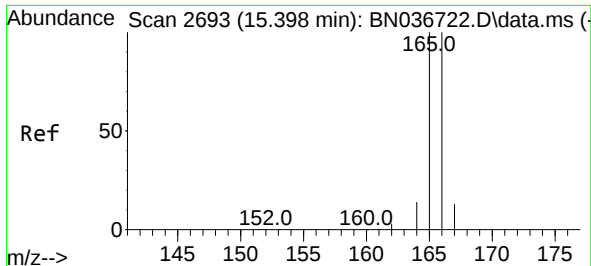
Tgt Ion:152 Resp: 877
Ion Ratio Lower Upper
152 100
151 28.4 16.6 25.0#
153 22.0 11.4 17.2#



#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.410 min Scan# 2479
Delta R.T. -0.002 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

Tgt Ion:153 Resp: 722
Ion Ratio Lower Upper
153 100
152 57.9 42.6 64.0
154 85.9 68.2 102.4

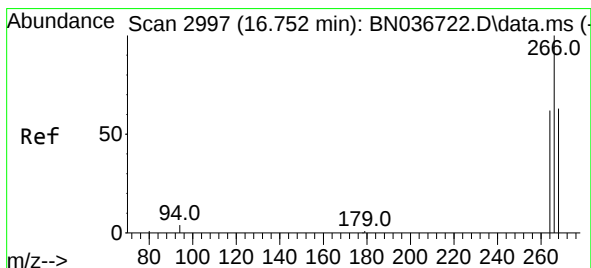
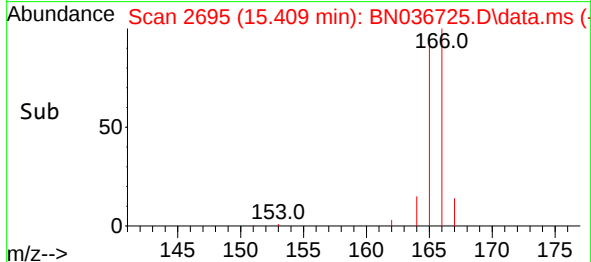
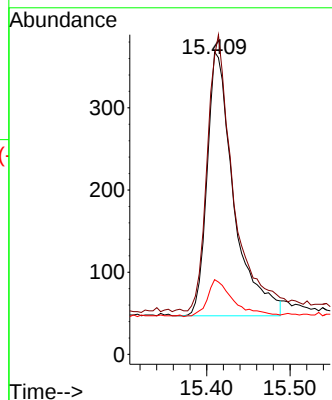
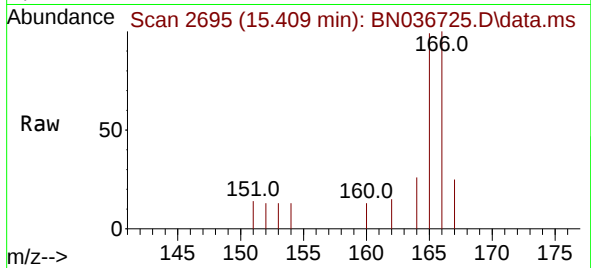




#12
Fluorene
Concen: 0.061 ng/ul
RT: 15.409 min Scan# 2099
Delta R.T. 0.007 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

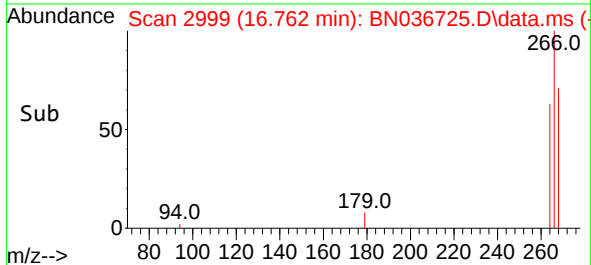
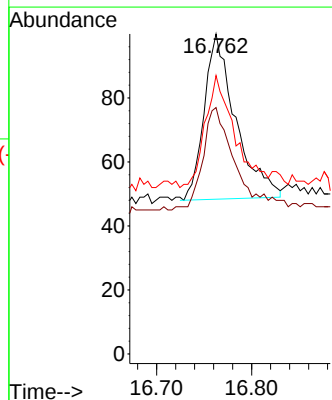
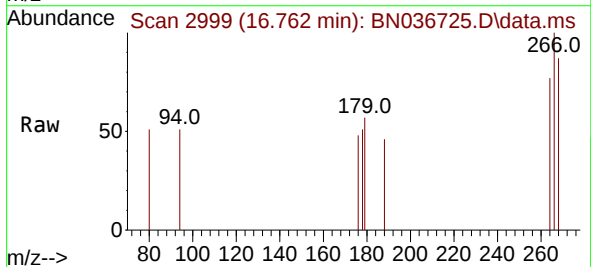
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2025-02

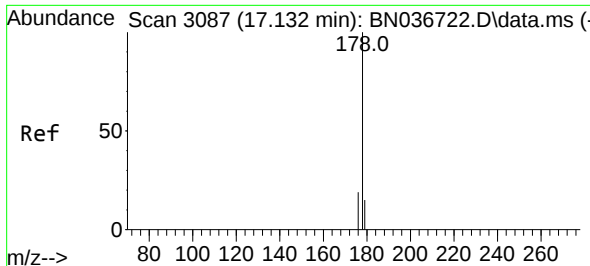
Tgt Ion:166 Resp: 713
Ion Ratio Lower Upper
166 100
165 98.6 79.8 119.6
167 24.7 11.9 17.9#



#14
Pentachlorophenol
Concen: 0.068 ng/ul
RT: 16.762 min Scan# 2999
Delta R.T. 0.006 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

Tgt Ion:266 Resp: 118
Ion Ratio Lower Upper
266 100
264 64.4 50.6 76.0
268 63.6 52.0 78.0

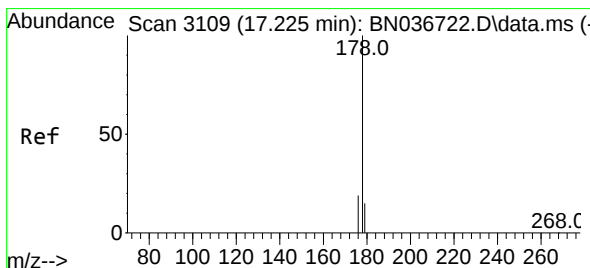
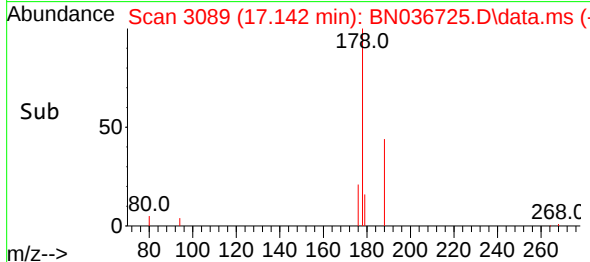
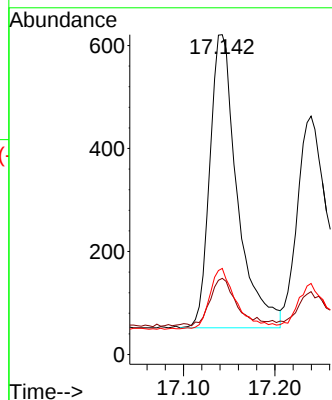
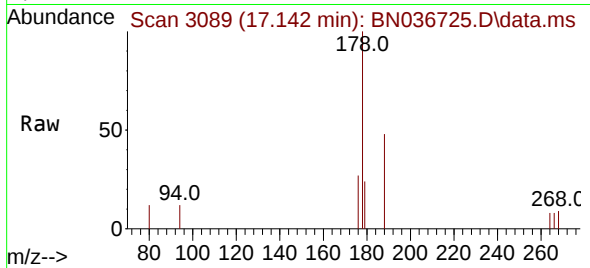




#15
Phenanthrene
Concen: 0.066 ng/u1
RT: 17.142 min Scan# 3089
Delta R.T. 0.006 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

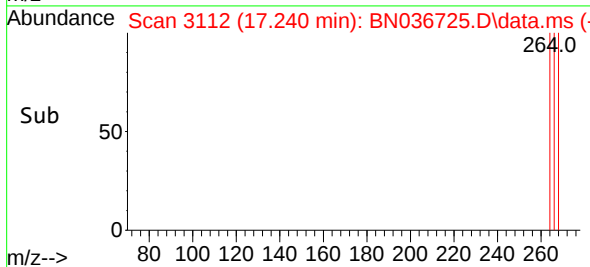
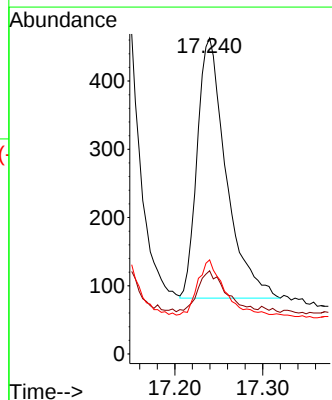
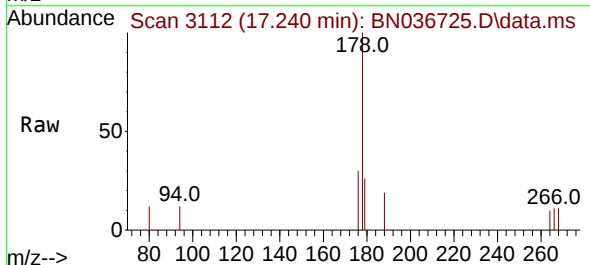
Instrument :
BNA_N
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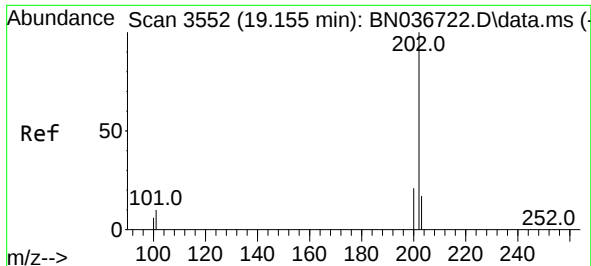
Tgt Ion:178 Resp: 1188
Ion Ratio Lower Upper
178 100
179 23.8 12.6 19.0#
176 26.9 16.1 24.1#



#16
Anthracene
Concen: 0.057 ng/u1
RT: 17.240 min Scan# 3112
Delta R.T. 0.006 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

Tgt Ion:178 Resp: 870
Ion Ratio Lower Upper
178 100
179 26.3 13.4 20.0#
176 29.8 15.9 23.9#

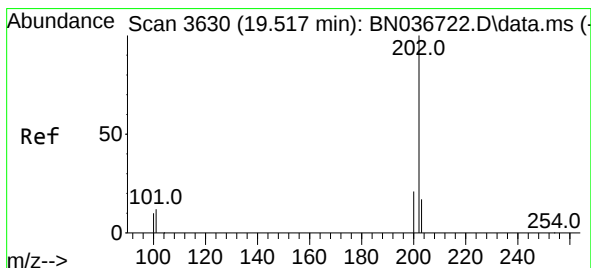
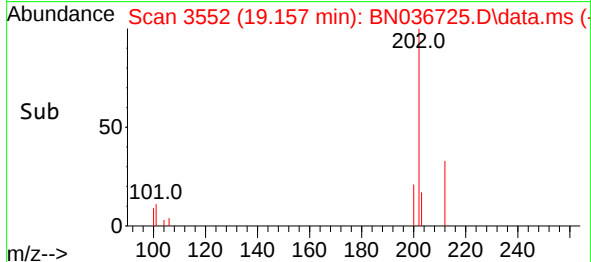
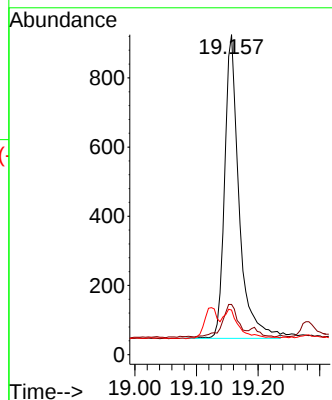
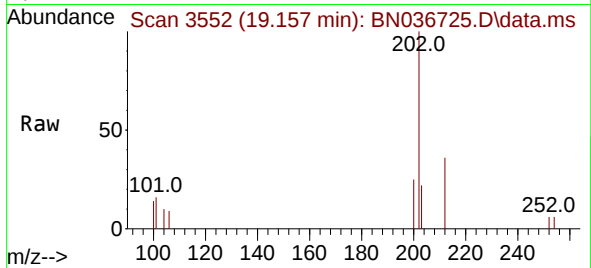




#19
Fluoranthene
Concen: 0.078 ng/ul
RT: 19.157 min Scan# 3552
Delta R.T. -0.003 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

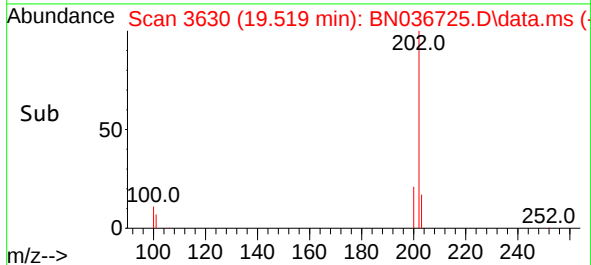
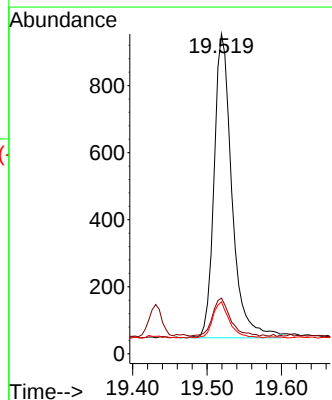
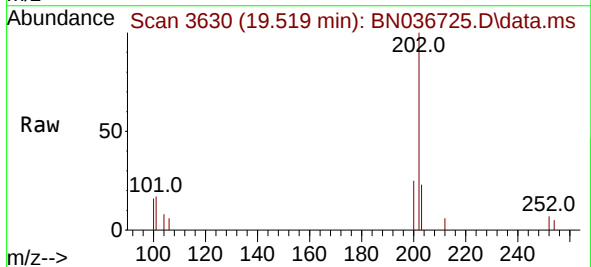
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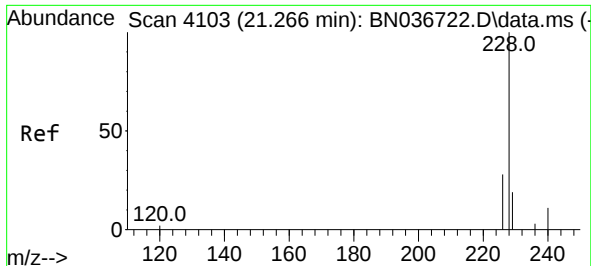
Tgt Ion:202 Resp: 1426
Ion Ratio Lower Upper
202 100
101 15.7 9.0 13.6#
100 13.9 7.2 10.8#



#20
Pyrene
Concen: 0.079 ng/ul
RT: 19.519 min Scan# 3630
Delta R.T. -0.003 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

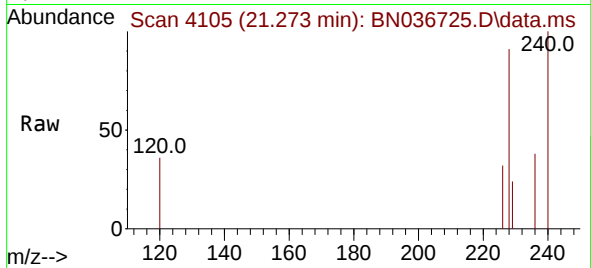
Tgt Ion:202 Resp: 1507
Ion Ratio Lower Upper
202 100
101 17.4 10.6 16.0#
100 16.2 9.3 13.9#



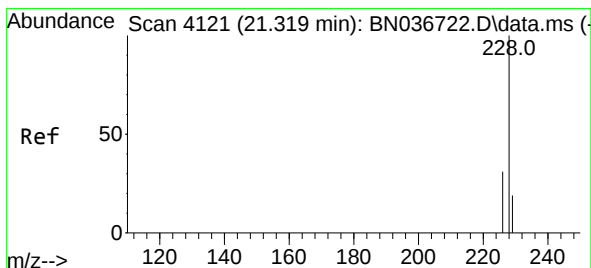
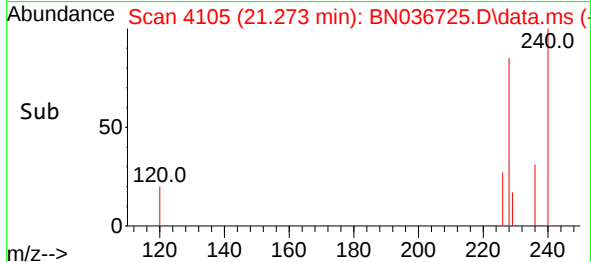
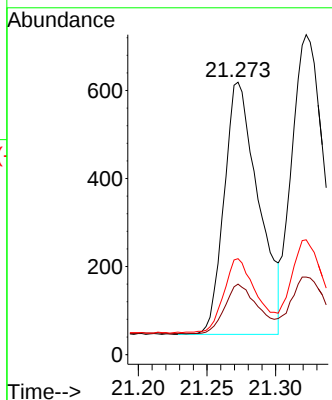


#21
Benzo(a)anthracene
Concen: 0.067 ng/u1
RT: 21.273 min Scan# 4105
Delta R.T. 0.000 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2025-02

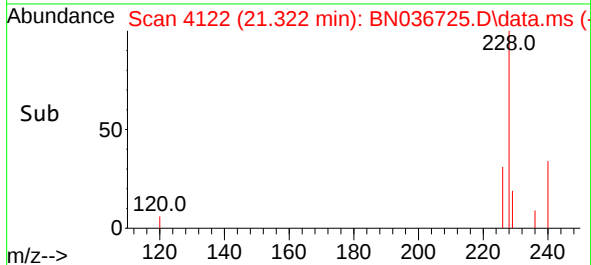
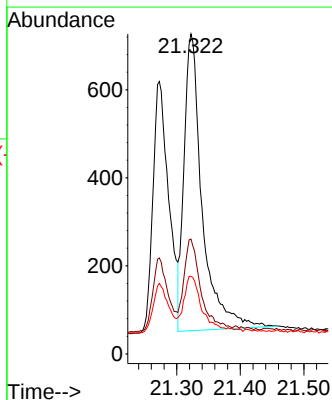
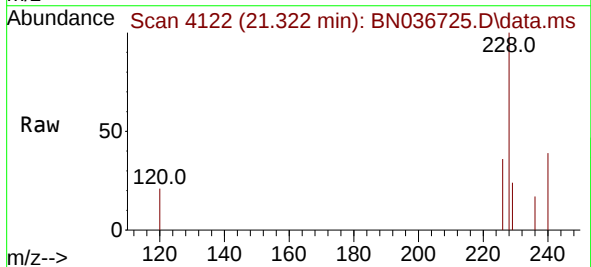


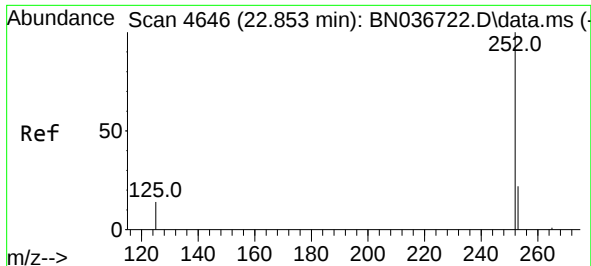
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Ion Ratio Lower Upper
228 100
229 25.8 16.0 24.0#
226 35.2 22.7 34.1#



#22
Chrysene
Concen: 0.078 ng/u1
RT: 21.322 min Scan# 4122
Delta R.T. -0.003 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

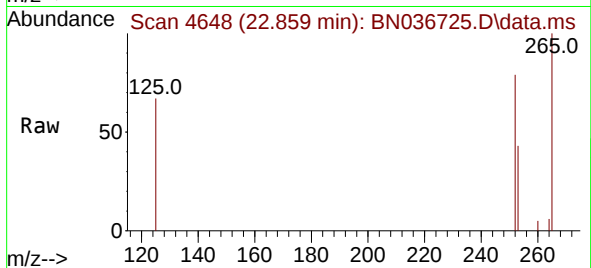
Tgt Ion:228 Resp: 1339
Ion Ratio Lower Upper
228 100
226 35.9 25.0 37.6
229 24.2 15.7 23.5#



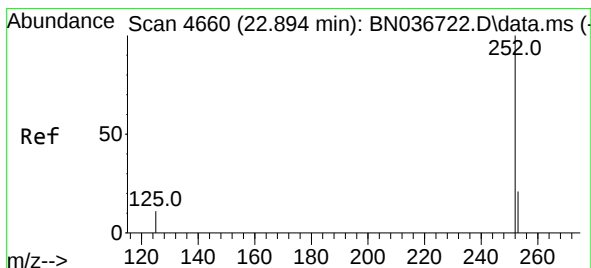
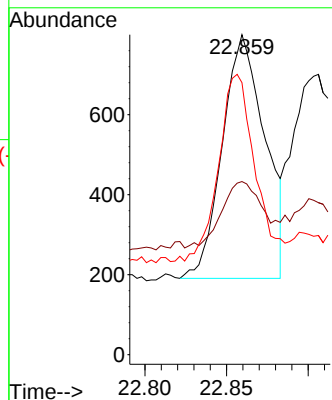


#24
Benzo(b)fluoranthene
Concen: 0.078 ng/ul
RT: 22.859 min Scan# 4648
Delta R.T. 0.000 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2025-02

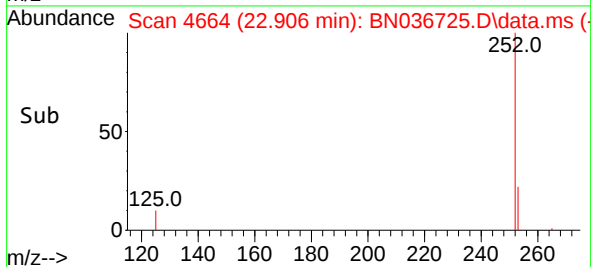
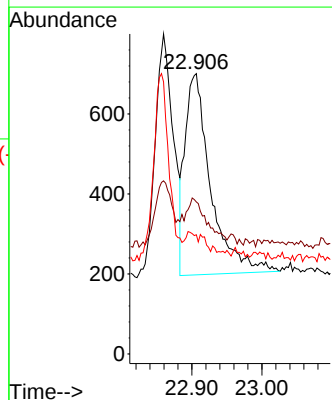
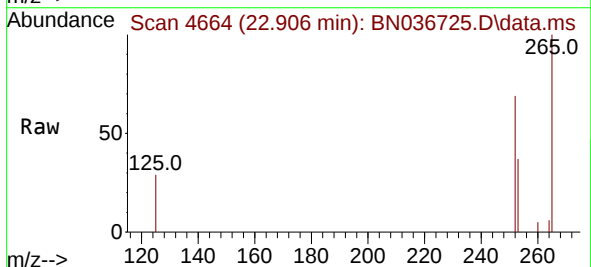


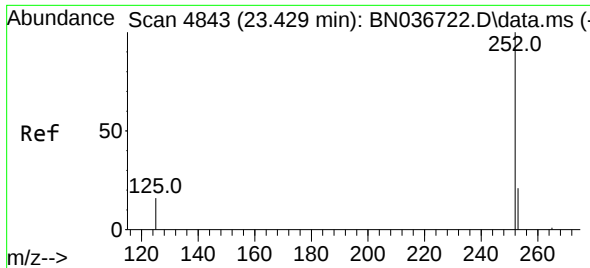
Tgt Ion:252 Resp: 1102
Ion Ratio Lower Upper
252 100
253 54.1 0.0 52.6#
125 85.0 0.0 35.8#



#25
Benzo(k)fluoranthene
Concen: 0.081 ng/ul
RT: 22.906 min Scan# 4664
Delta R.T. 0.003 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

Tgt Ion:252 Resp: 1285
Ion Ratio Lower Upper
252 100
253 54.2 21.4 32.0#
125 42.5 13.7 20.5#

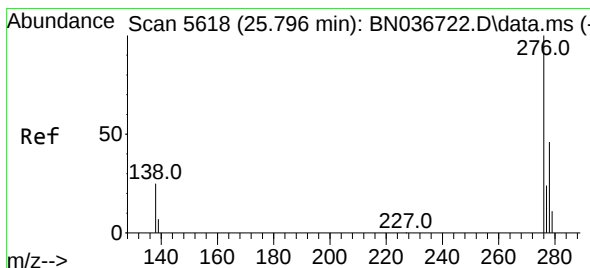
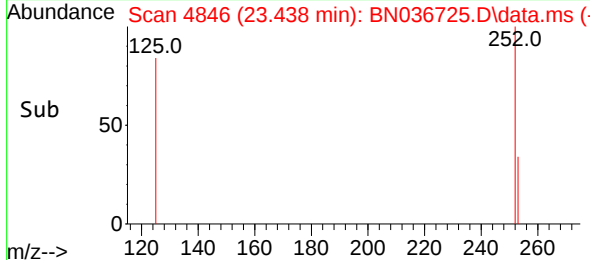
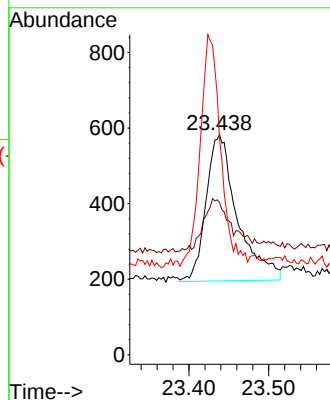
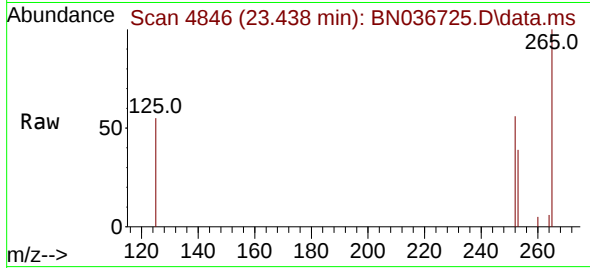




#26
Benzo(a)pyrene
Concen: 0.081 ng/ul
RT: 23.438 min Scan# 4843
Delta R.T. 0.000 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

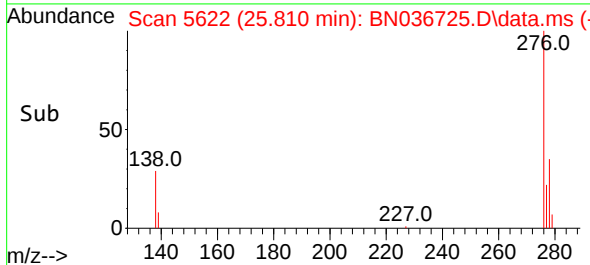
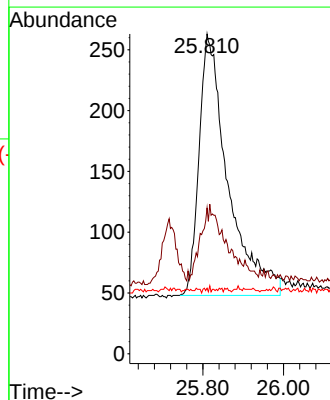
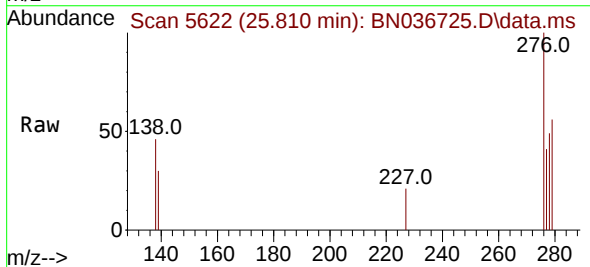
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2025-02

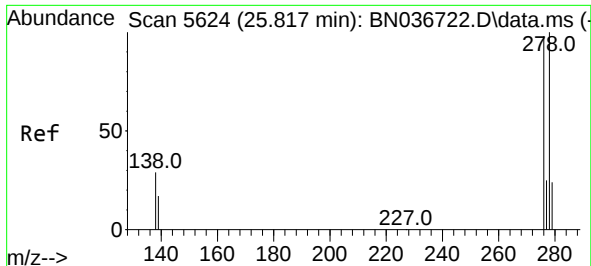
Tgt Ion:252 Resp: 1053
Ion Ratio Lower Upper
252 100
253 69.1 24.2 36.2#
125 97.8 18.2 27.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.073 ng/ul
RT: 25.810 min Scan# 5622
Delta R.T. 0.000 min
Lab File: BN036725.D
Acq: 26 Mar 2025 11:47

Tgt Ion:276 Resp: 1064
Ion Ratio Lower Upper
276 100
138 0.0 23.2 34.8#
227 0.2 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.070 ng/ul

RT: 25.840 min Scan# 5

Delta R.T. 0.007 min

Lab File: BN036725.D

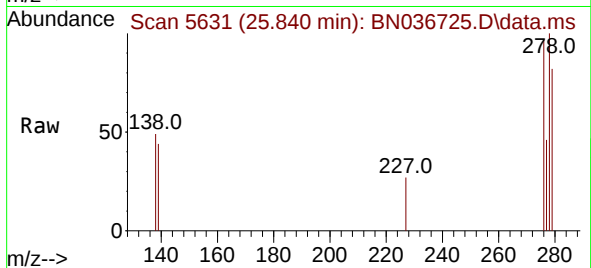
Acq: 26 Mar 2025 11:47

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2025-02



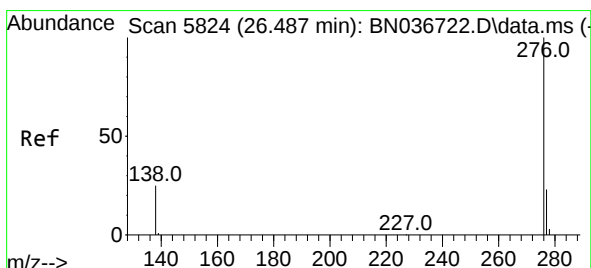
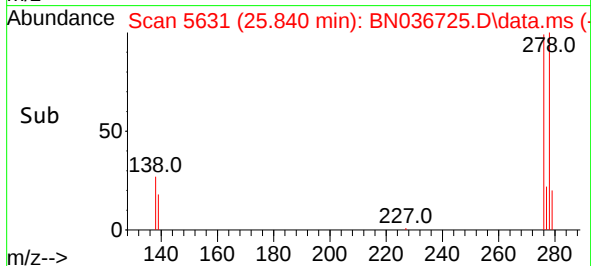
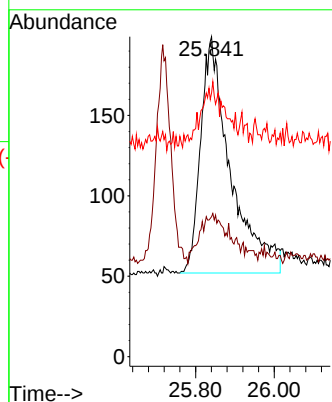
Tgt Ion:278 Resp: 774

Ion Ratio Lower Upper

278 100

139 43.7 17.7 26.5#

279 82.4 25.4 38.2#



#29

Benzo(g,h,i)perylene

Concen: 0.077 ng/ul

RT: 26.498 min Scan# 5827

Delta R.T. -0.003 min

Lab File: BN036725.D

Acq: 26 Mar 2025 11:47

Tgt Ion:276 Resp: 929

Ion Ratio Lower Upper

276 100

138 38.2 22.2 33.2#

277 40.8 20.6 31.0#

